

RAW SEQUENCE LISTING  
PATENT APPLICATION US/08/325,278DATE: 10/07/96  
TIME: 15:16:29

INPUT SET: S13044.raw

This Raw Listing contains the General  
Information Section and up to the first 5 pages.

ENTERED

1 SEQUENCE LISTING  
2  
3 (1) General Information:  
4  
5 (i) APPLICANT: Bj-rck, Lars  
6 Sj-bring, Ulf  
7  
8 (ii) TITLE OF INVENTION: PROTEIN L AND HYBRID PROTEINS THEREOF  
9  
10 (iii) NUMBER OF SEQUENCES: 14  
11  
12 (iv) CORRESPONDENCE ADDRESS:  
13 (A) ADDRESSEE: SEED and BERRY LLP  
14 (B) STREET: 6300 Columbia Center, 701 Fifth Avenue  
15 (C) CITY: Seattle  
16 (D) STATE: Washington  
17 (E) COUNTRY: USA  
18 (F) ZIP: 98104-7092  
19  
20 (v) COMPUTER READABLE FORM:  
21 (A) MEDIUM TYPE: Floppy disk  
22 (B) COMPUTER: IBM PC compatible  
23 (C) OPERATING SYSTEM: PC-DOS/MS-DOS  
24 (D) SOFTWARE: PatentIn Release #1.0, Version #1.30  
25  
26 (vi) CURRENT APPLICATION DATA:  
27 (A) APPLICATION NUMBER: US 08/325,278  
28 (B) FILING DATE: 26-OCT-1996  
29 (C) CLASSIFICATION:  
30  
31 (viii) ATTORNEY/AGENT INFORMATION:  
32 (A) NAME: McMasters, David D.  
33 (B) REGISTRATION NUMBER: 33,963  
34 (C) REFERENCE/DOCKET NUMBER: 450023.401  
35  
36 (ix) TELECOMMUNICATION INFORMATION:  
37 (A) TELEPHONE: (206) 622-4900  
38 (B) TELEFAX: (206) 682-6031  
39  
40  
41 (2) INFORMATION FOR SEQ ID NO:1:  
42  
43 (i) SEQUENCE CHARACTERISTICS:  
44 (A) LENGTH: 305 amino acids  
45 (B) TYPE: amino acid  
46 (C) STRANDEDNESS: unknown

# RAW SEQUENCE LISTING PATENT APPLICATION US/08/325,278

DATE: 10/07/96  
TIME: 15:16:34

INPUT SET: S13044.raw

47 (D) TOPOLOGY: unknown  
48  
49 (ii) MOLECULE TYPE: protein  
50  
51 (iii) HYPOTHETICAL: NO  
52  
53 (vi) ORIGINAL SOURCE:  
54 (A) ORGANISM: Escherichia coli LE392/pHDL, DSM 7054  
55  
56  
57  
58 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:  
59  
60 Ala Val Glu Asn Lys Glu Glu Thr Pro Glu Thr Pro Glu Thr Asp Ser  
61 1 5 10 15  
62  
63 Glu Glu Glu Val Thr Ile Lys Ala Asn Leu Ile Phe Ala Asn Gly Ser  
64 20 25 30  
65  
66 Thr Gln Thr Ala Glu Phe Lys Gly Thr Phe Glu Lys Ala Thr Ser Glu  
67 35 40 45  
68  
69 Ala Tyr Ala Tyr Ala Asp Thr Leu Lys Lys Asp Asn Gly Glu Tyr Thr  
70 50 55 60  
71  
72 Val Asp Val Ala Asp Lys Gly Tyr Thr Leu Asn Ile Lys Phe Ala Gly  
73 65 70 75 80  
74  
75 Lys Glu Lys Thr Pro Glu Glu Pro Lys Glu Glu Val Thr Ile Lys Ala  
76 85 90 95  
77  
78 Asn Leu Ile Tyr Ala Asp Gly Lys Thr Gln Thr Ala Glu Phe Lys Gly  
79 100 105 110  
80  
81 Thr Phe Glu Glu Ala Thr Ala Glu Ala Tyr Arg Tyr Ala Asp Ala Leu  
82 115 120 125  
83  
84 Lys Lys Asp Asn Gly Glu Tyr Thr Val Asp Val Ala Asp Lys Gly Tyr  
85 130 135 140  
86  
87 Thr Leu Asn Ile Lys Phe Ala Gly Lys Glu Lys Thr Pro Glu Glu Pro  
88 145 150 155 160  
89  
90 Lys Glu Glu Val Thr Ile Lys Ala Asn Leu Ile Tyr Ala Asp Gly Lys  
91 165 170 175  
92  
93 Thr Gln Thr Ala Glu Phe Lys Gly Thr Phe Glu Glu Ala Thr Ala Glu  
94 180 185 190  
95  
96 Ala Tyr Arg Tyr Ala Asp Leu Leu Ala Lys Glu Asn Gly Lys Tyr Thr  
97 195 200 205  
98  
99 Val Asp Val Ala Asp Lys Gly Tyr Thr Leu Asn Ile Lys Phe Ala Gly

RAW SEQUENCE LISTING  
PATENT APPLICATION US/08/325,278DATE: 10/07/96  
TIME: 15:16:40

INPUT SET: S13044.raw

	210	215	220
100			
101			
102	Lys Glu Lys Thr Pro Glu Glu Pro Lys Glu Glu Val Thr Ile Lys Ala		
103	225	230	235 240
104			
105	Asn Leu Ile Tyr Ala Asp Gly Lys Thr Gln Thr Ala Glu Phe Lys Gly		
106		245	250 255
107			
108	Thr Phe Ala Glu Ala Thr Ala Glu Ala Tyr Arg Tyr Ala Asp Leu Leu		
109		260	265 270
110			
111	Ala Lys Glu Asn Gly Lys Tyr Thr Ala Asp Leu Glu Asp Gly Gly Tyr		
112		275	280 285
113			
114	Thr Ile Asn Ile Arg Phe Ala Gly Lys Lys Val Asp Glu Lys Pro Glu		
115		290	295 300
116			
117	Glu		
118	305		
119			

## (2) INFORMATION FOR SEQ ID NO:2:

## (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 921 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: unknown

## (ii) MOLECULE TYPE: DNA (genomic)

## (iii) HYPOTHETICAL: NO

## (vi) ORIGINAL SOURCE:

- (A) ORGANISM: Escherichia coli LE392/pHDL, DSM 7054

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

139	GCGGTAGAAA ATAAAGAAGA AACACCAGAA ACACCAGAAA CTGATTCAGA AGAAGAAGTA	60
140		
141	ACAATCAAAG CTAACCTAAT CTTTGCAAAT GGAAGCACAC AAAGTGCAGA ATTCAAAGGA	120
142		
143	ACATTTGAAA AAGCAACATC AGAAGCTTAT GCGTATGCAG ATACTTTGAA GAAAGACAAT	180
144		
145	GGAGAATATA CTGTAGATGT TGCAGATAAA GGTATACTT TAAATATTAA ATTTGCTGGA	240
146		
147	AAAGAAAAAA CACCAGAAGA ACCAAAAGAA GAAGTTACTA TTAAAGCAAA CTTAATCTAT	300
148		
149	GCAGATGGAA AAACACAAAC AGCAGAATTC AAAGGAACAT TTGAAGAAGC AACAGCAGAA	360
150		
151	GCATACAGAT ATGCAGATGC ATTAAAGAAG GACAATGGAG AATATACAGT AGACGTTGCA	420
152		

# RAW SEQUENCE LISTING PATENT APPLICATION US/08/325,278

DATE: 10/07/96  
TIME: 15:16:45

INPUT SET: S13044.raw

```

153 GATAAAGGTT ATACTTTAAA TATTAAATTT GCTGGAAAAG AAAAAACACC AGAAGAACCA      480
154
155 AAAGAAGAAG TTACTATTAA AGCAAACCTTA ATCTATGCAG ATGGAAAAAC ACAAACAGCA      540
156
157 GAATTCAAAG GAACATTTGA AGAAGCAACA GCAGAAGCAT ACAGATATGC TGACTTATTA      600
158
159 GCAAAAGAAA ATGGTAAATA TACAGTAGAC GTTGCAGATA AAGGTTATAC TTTAAATATT      660
160
161 AAATTTGCTG GAAAAGAAAA AACACCAGAA GAACCAAAAG AAGAAGTTAC TATTAAAGCA      720
162
163 AACTTAATCT ATGCAGATGG AAAAACTCAA ACAGCAGAGT TCAAAGGAAC ATTTGCAGAA      780
164
165 GCAACAGCAG AAGCATACAG ATACGCTGAC TTATTAGCAA AAGAAAATGG TAAATATACA      840
166
167 GCAGACTTAG AAGATGGTGG ATACACTATT AATATTAGAT TTGCAGGTAA GAAAGTTGAC      900
168
169 GAAAAACCAG AAGAATAATA A
170
171 (2) INFORMATION FOR SEQ ID NO:3:
172
173 (i) SEQUENCE CHARACTERISTICS:
174 (A) LENGTH: 434 amino acids
175 (B) TYPE: amino acid
176 (C) STRANDEDNESS: unknown
177 (D) TOPOLOGY: unknown
178
179 (ii) MOLECULE TYPE: protein
180
181 (iii) HYPOTHETICAL: NO
182
183 (vi) ORIGINAL SOURCE:
184 (A) ORGANISM: Escherichia coli LE392/pHDLG, DSM 7055
185
186
187
188 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:
189
190 Ala Val Glu Asn Lys Glu Glu Thr Pro Glu Thr Pro Glu Thr Asp Ser
191 1 5 10 15
192
193 Glu Glu Glu Val Thr Ile Lys Ala Asn Leu Ile Phe Ala Asn Gly Ser
194 20 25 30
195
196 Thr Gln Thr Ala Glu Phe Lys Gly Thr Phe Glu Lys Ala Thr Ser Glu
197 35 40 45
198
199 Ala Tyr Ala Tyr Ala Asp Thr Leu Lys Lys Asp Asn Gly Glu Tyr Thr
200 50 55 60
201
202 Val Asp Val Ala Asp Lys Gly Tyr Thr Leu Asn Ile Lys Phe Ala Gly
203 65 70 75 80
204
205 Lys Glu Lys Thr Pro Glu Glu Pro Lys Glu Glu Val Thr Ile Lys Ala

```

# RAW SEQUENCE LISTING PATENT APPLICATION US/08/325,278

DATE: 10/07/96  
TIME: 15:16:50

INPUT SET: S13044.raw

	85	90	95
206			
207			
208	Asn Leu Ile Tyr Ala Asp Gly Lys Thr Gln Thr Ala Glu Phe Lys Gly		
209	100	105	110
210			
211	Thr Phe Glu Glu Ala Thr Ala Glu Ala Tyr Arg Tyr Ala Asp Ala Leu		
212	115	120	125
213			
214	Lys Lys Asp Asn Gly Glu Tyr Thr Val Asp Val Ala Asp Lys Gly Tyr		
215	130	135	140
216			
217	Thr Leu Asn Ile Lys Phe Ala Gly Lys Glu Lys Thr Pro Glu Glu Pro		
218	145	150	155
219			160
220	Lys Glu Glu Val Thr Ile Lys Ala Asn Leu Ile Tyr Ala Asp Gly Lys		
221	165	170	175
222			
223	Thr Gln Thr Ala Glu Phe Lys Gly Thr Phe Glu Glu Ala Thr Ala Glu		
224	180	185	190
225			
226	Ala Tyr Arg Tyr Ala Asp Leu Leu Ala Lys Glu Asn Gly Lys Tyr Thr		
227	195	200	205
228			
229	Val Asp Val Ala Asp Lys Gly Tyr Thr Leu Asn Ile Lys Phe Ala Gly		
230	210	215	220
231			
232	Lys Glu Lys Thr Pro Glu Glu Pro Lys Glu Glu Val Thr Ile Lys Ala		
233	225	230	235
234			240
235	Asn Leu Ile Tyr Ala Asp Gly Lys Thr Gln Thr Ala Glu Phe Lys Gly		
236	245	250	255
237			
238	Thr Phe Ala Glu Ala Thr Ala Glu Ala Tyr Arg Tyr Ala Asp Leu Leu		
239	260	265	270
240			
241	Ala Lys Glu Asn Gly Lys Tyr Thr Ala Asp Leu Glu Asp Gly Gly Tyr		
242	275	280	285
243			
244	Thr Ile Asn Ile Arg Phe Ala Gly Lys Lys Val Asp Glu Lys Pro Glu		
245	290	295	300
246			
247	Glu Pro Met Asp Thr Tyr Lys Leu Ile Leu Asn Gly Lys Thr Leu Lys		
248	305	310	315
249			320
250	Gly Glu Thr Thr Thr Glu Ala Val Asp Ala Ala Thr Ala Glu Lys Val		
251	325	330	335
252			
253	Phe Lys Gln Tyr Ala Asn Asp Asn Gly Val Asp Gly Glu Trp Thr Tyr		
254	340	345	350
255			
256	Asp Asp Ala Thr Lys Thr Phe Thr Val Thr Glu Lys Pro Glu Val Ile		
257	355	360	365
258			